

Converting Colors

Yxy(86.1363, 0.3225, 0.4223)

Have a look what the booklet for
Yxy(86.1363, 0.3225, 0.4223)
contains.

Yxy(86.1007, 0.3221, 0.4221)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.1007, 0.3221, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	C3FFAC
RGB	195, 255, 172
RGB Percent	76%, 100%, 67%
CMY	0.2355, 0.0000, 0.3255
CMYK	0.24, 0.00, 0.33, 0.00
HSL	103°, 100%, 84%
HSV	103°, 33%, 100%
XYZ	65.7025, 86.1007, 52.1785
YIQ	227.5980, -9.1170, -38.5330

Conversions

Conversions Part 2

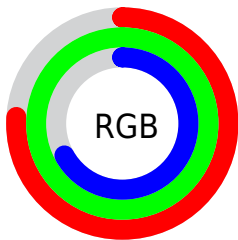
Format	Color
RYB	172, 255, 232
Decimal	12844972
CIELab	94.36, -33.57, 33.76
CIELCh	94, 47.610, 134.842
Yxy	86.1007, 0.3221, 0.4221
Android (android.graphics.Color)	4291035052 (0xFFC3FFAC)
YUV	227.5980, -27.4098, -28.5884
Hunter-Lab	92.7905, -35.9921, 31.6130

Details

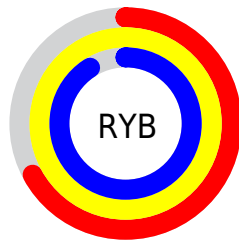
The Yxy color **86.1007, 0.3221, 0.4221** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.8814, 0.2984, 0.2433**, and the grayscale version is **77.4713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0041, 0.3273, 0.3553**, and **47.2955, 0.3227, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **82.9005, 0.3239, 0.4550**, and if you desaturate by 10%, it is **89.7798, 0.3196, 0.3907**.

Distribution



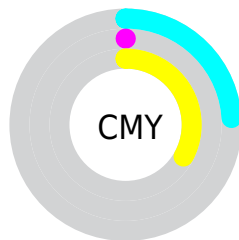
- Red (76%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1007, 0.3221, 0.4221 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 86.1007, 0.3221, 0.4221 by changing the saturation by 10% instead.

 86.1007, 0.3221,
0.4221

 86.1007, 0.3221,
0.4221


515.2632, 0.3192,
0.3783

 64.7512, 0.3224,
0.4322


 141.9100, 0.3214,
0.4068

 47.2594, 0.3225,
0.4447


177.1386, 0.3210,
0.4009

 33.2408, 0.3224,
0.4606


217.7625, 0.3207,
0.3958

 22.3110, 0.3217,
0.4813

264.1659, 0.3204,
0.3913

 14.0856, 0.3198,
0.5092

316.7333, 0.3200,
0.3875

 8.1802, 0.3150,
0.5486


375.8490, 0.3197,


 4.2105, 0.3053,


0.3840


0.6112

441.8975, 0.3195,
0.3810

 1.7920, 0.2783,
0.7217


 0.4822, 0.0000,
1.0000


 86.1007, 0.3221,
0.4221


 86.1007, 0.3221,
0.4221


 82.9005, 0.3239,
0.4550

 89.7798, 0.3196,
0.3907

 80.1762, 0.3247,
0.4881

 93.9770, 0.3167,
0.3616

 77.8980, 0.3242,
0.5196

 98.7052, 0.3135,
0.3353

 76.0400, 0.3223,
0.5473

100.0000, 0.3127,
0.3290

■ 74.5735, 0.3190,
0.5693

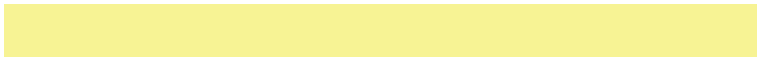
■ 73.4652, 0.3146,
0.5843

■ 72.8429, 0.3111,
0.5912

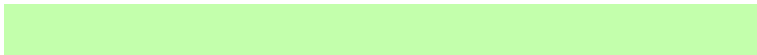
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1007, 0.3736, 0.4249



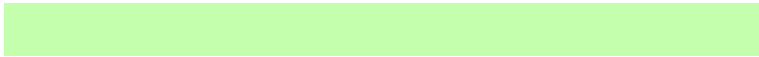
86.1007, 0.3221, 0.4221



86.1007, 0.2706, 0.3862

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1007, 0.3221, 0.4221



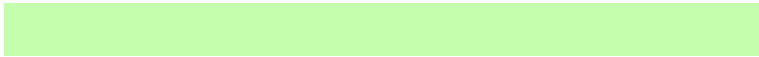
86.1007, 0.2216, 0.2524



86.1007, 0.3985, 0.3178

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



86.1007, 0.3221, 0.4221



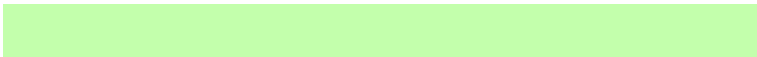
53.8814, 0.2984, 0.2433

Split Complementary

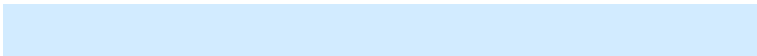
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1007, 0.3511, 0.2801



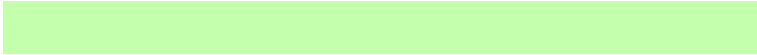
86.1007, 0.3221, 0.4221



86.1007, 0.2494, 0.2433

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1007, 0.3221, 0.4221



86.1007, 0.2156, 0.2829



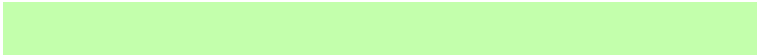
86.1007, 0.2957, 0.2536



86.1007, 0.4206, 0.3603

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1007, 0.3221, 0.4221



86.1007, 0.2431, 0.3505



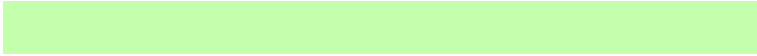
86.1007, 0.2957, 0.2536



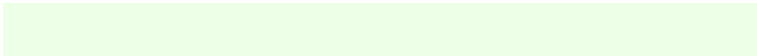
86.1007, 0.3848, 0.3044

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



86.0944, 0.3221, 0.4221



95.1333, 0.3159, 0.3546



81.6589, 0.3690, 0.3893



20.2253, 0.3163, 0.3584



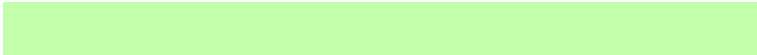
0.0000, 0.0000, 0.0000



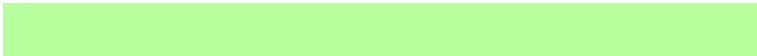
21.4041, 0.3127, 0.3290

Same Dimension

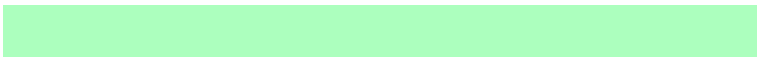
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0944, 0.3221, 0.4221



83.9806, 0.3233, 0.4432



84.0058, 0.2988, 0.4044



20.4113, 0.3158, 0.3533



38.1254, 0.3120, 0.5904



3.7638, 0.3200, 0.5841

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.8814, 0.2984, 0.2433



47.2557, 0.2946, 0.2256



56.8757, 0.3307, 0.2639



18.0329, 0.3093, 0.3053



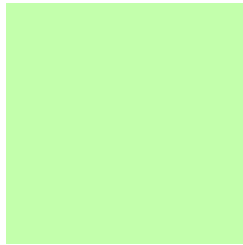
9.2043, 0.2517, 0.1160



0.9507, 0.2598, 0.1205

Previews

White Background



This preview shows how the Yxy color 86.1007, 0.3221, 0.4221 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 86.1007, 0.3221, 0.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

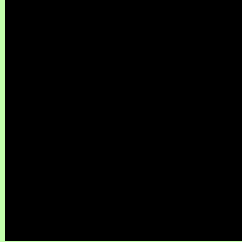
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

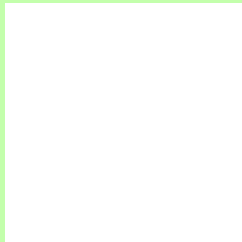
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1007, 0.3221, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 86.1007, 0.3221, 0.4221.

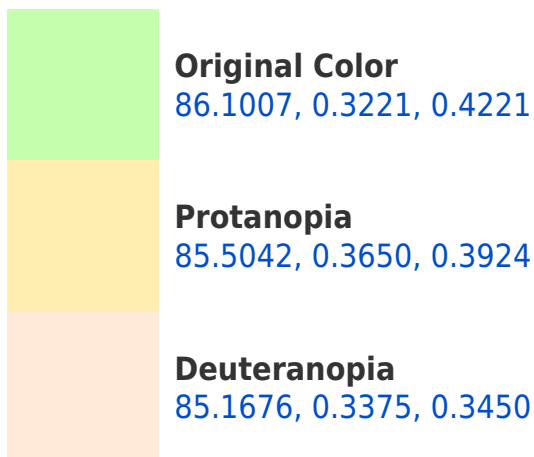


This preview shows how white text looks on a background with the Yxy color 86.1007, 0.3221, 0.4221.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

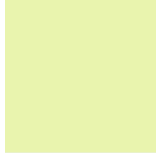
85.9399, 0.2913, 0.3156

Trichromacy



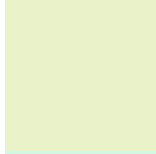
Original Color

86.1007, 0.3221, 0.4221



Protanomaly

85.0810, 0.3484, 0.4027



Deuteranomaly

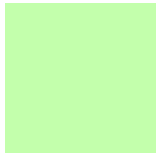
85.0449, 0.3320, 0.3720



Tritanomaly

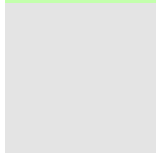
85.8067, 0.3028, 0.3525

Monochromacy



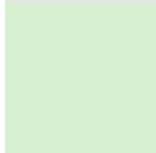
Original Color

86.1007, 0.3221, 0.4221



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3021, 0.3165, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1007, 0.3221, 0.4221 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(195, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(195, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 86.1007, 0.3221, 0.4221 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 255, 172) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(195, 255, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(195, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1007, 0.3221, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(195,  
255, 172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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